

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-068973  
 (43)Date of publication of application : 03.03.2000

(51)Int.Cl.

H04J 11/00  
 H04L 7/00  
 H04L 27/00

(21)Application number : 10-232759  
 (22)Date of filing : 19.08.1998

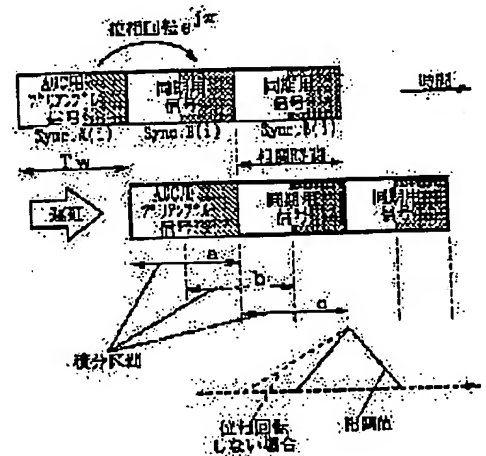
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## (54) PREAMBLE GENERATING METHOD FOR OFDM AND MODULATION CIRCUIT FOR OFDM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an orthogonal frequency division multiplex(OFDM) preamble generating method and an OFDM modulation circuit that prevent deterioration in an error rate and detect a symbol timing at a high speed even when preamble signal for AGC is in use.

SOLUTION: In the OFDM preamble generating method that generates a burst signal including at least one automatic gain control preamble signal being an OFDM signal used for orthogonal frequency multiplex communication and two synchronizing signals in succession to the preamble signal, the preamble signal and the synchronizing signals are generated based on the same predetermined fixed pattern and a prescribed phase change is given to each latter half of either the preamble signal or the synchronizing signal so as to generate a phase difference of about 180 degrees between the phase of the preamble signal for the latter half area and the phase of a plurality of the synchronizing signals for each latter half area.



## LEGAL STATUS

[Date of request for examination] 28.12.1998  
 [Date of sending the examiner's decision of rejection]  
 [Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]  
 [Date of final disposal for application]  
 [Patent number] 2968962  
 [Date of registration] 20.08.1999  
 [Number of appeal against examiner's decision of rejection]  
 [Date of requesting appeal against examiner's decision of rejection]  
 [Date of extinction of right]